

What is claimed is:

1. A spray device comprising:
 - a container;
 - an aqueous dental composition in the container, the composition comprising about 10% by weight to about 50% by weight of a thermally responsive viscosity modifier and water, wherein the composition is in a low viscosity state at a pre-treatment temperature and a highly viscous state at a treatment temperature that is higher than the pre-treatment temperature; and
 - a sprayer in fluid communication with the dental composition, the device being capable of spraying the dental composition as a fine mist into the oral environment.
2. The device of claim 19 wherein the device further comprises a propellant.
3. A fine mist of a dental composition in the oral environment, the composition comprising about 10% by weight to about 50% by weight of a thermally responsive viscosity modifier and water, wherein the composition is in a low viscosity state at a pre-treatment temperature and a highly viscous state at a treatment temperature that is higher than the pre-treatment temperature.
4. A dental composition capable of being sprayed as a fine mist into the oral environment, the composition comprising:
 - about 10% by weight to about 50% by weight of a thermally responsive viscosity modifier;
 - water; and
 - a propellant,

wherein the composition is in a low viscosity state at a pre-treatment temperature and a highly viscous state at a treatment temperature that is higher than the pre-treatment temperature.